PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: CARL OPPEDAHL OPPEDAHL & LARSON LLP P O BOX 5068 DILLON, CO 80435-5068	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION		
	(PCT Rule 44.1)		
	Date of Mailing (day/month/year)		
Applicant's or agent's file reference SNDN.P002WO	FOR FURTHER ACTION See paragraphs ' and 4 below		
International application No. PCT/US04/01553	International filing date (day/month/year) 15 January 2004 (15.01.2004)		
Applicant SENDYNE CORPORATION 15 January 2004 (15.91.2004)			
1. The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. 3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Reminders Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the			
applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.			
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.			
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.			
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.			
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US	Authorized officer		
Commissioner for Patents P.O. Box 1450	Authorized officer Angela J. Martin		
Alexandria, Virginia 22313-1450	Telephone No. 866-217-9197		

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

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	1 1	Mailing onth/year)	08 NOV 20 04	
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US		Authorized officer	1. 1/1/le-	
Commissioner for Patents P.O. Box 1450		Angela J. Martin	ling Willer	
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Telephone No. 866	5-217-9197	

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's SNDN.P002	or agent's file reference WO	FOR FURTHER ACTION		cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable, ow.
International PCT/US04/0	application No. 01553	International filing date (day/month/year) (Earliest) Priority		(Earliest) Priority Date (day/month/year) 15 January 2003 (15.01.2003)
Applicant SENDYNE CORPORATION				
according to	o Article 18. A copy is being tional search report consists	g transmitted to the International B	Bureau.	in this report.
Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
b	Authority (Rule 23.1(b)).	and/or amino acid sequence disclo		international application furnished to this international application, the international
	contained in the international	al application in written form.		
	filed together with the inter-	national application in computer reac	lable form.	
	furnished subsequently to the	is Authority in written form.		
	furnished subsequently to th	is Authority in computer readable for	orm.	
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
	the statement that the information been furnished.	nation recorded in computer readable	e form is ic	dentical to the written sequence listing has
2. Certain claims were found unsearchable (See Box I).				
3. Unity of invention is lacking (See Box II).				
4. With r	egard to the title,	Social design		
	the text is approved as subm			
	the text has been established	I by this Authority to read as follows	S:	
5. With r	egard to the abstract,			
	the text is approved as subm	nitted by the applicant.		
				as it appears in Box III. The applicant may, ort, submit comments to this Authority.
6. The fig	gure of the drawings to be pu	blished with the abstract is Figure N	o. <u>3</u>	
	as suggested by the applicar	nt.		None of the figures
	because the applicant failed	to suggest a figure.		
because this figure better characterizes the invention.				

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/01553

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)
The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).
NEW ABSTRACT In a direct methanol fuel cell, fuel efficiency is maintained by periodically adding a higher methanol concentration mixture through a cartridge (3) into the primary fuel container (1). The cartridge (3) replenishes methanol and partial water losses due to the consumption of fuel in the power generating process. In a typical system, the fuel replenishment mechanism is controlled through an electronic apparatus that monitors the power conversion process and is capable of predicting remaining operating capacity.

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/01553

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H01M 8/02,8/04, 8/10, 4/86 US CL : 429/38, 32, 34, 39, 44, 22, 38, 42, 40, 46 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 429/38, 32, 34, 39, 44, 22, 38, 42, 40, 46			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category * Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
Y, E US 6,696,189 B2 (BOSTAPH et al) 24 February 200	04, col. 3, lines 20-67 and col. 4, lines	11-15	
1-16 Y, P US 6,630,266 B2 (HOCKADAY et al) 07 October 2 lines 1-11	1-16 US 6,630,266 B2 (HOCKADAY et al) 07 October 2003, col. 2, lines 35-67 and col. 3,		
Further documents are listed in the continuation of Box C.	See patent family annex.		
* Special categories of cited documents:	"T" later document published after the internat	ional filing date or priority	
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date	date and not in conflict with the application principle or theory underlying the invention "X" document of particular relevance: the claim considered novel or cannot be considered.	n but cited to understand the on med invention cannot be	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the clair considered to involve an inventive step wh	med invention cannot be	
"O" document referring to an oral disclosure, use, exhibition or other means	combined with one or more other such doe being obvious to a person skilled in the art		
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent fami		
Date of the actual completion of the international search	Date of mailing of the international search in R No.		
26 July 2004 (26.07.2004)		1104	
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer Angela J. Martin Telephone No. 866-217-9197	hi-	

	PCT/US04/01553		
INTERNATIONAL SEARCH REPORT			
INTERNATIONAL SEARCH REFORT			
Continuation of B. FIELDS SEARCHED Item 3:			
EAST			
search terms: direct methanol fuel cell, methanol concentrations, cartridge			

Form PCT/ISA/210 (second sheet) (July 1998)